

## PATENT COOPERATION TREATY

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813318From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

To:

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BELGIQUENOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY

(PCT Rule 71.1)

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01 DEC 2005

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(day/month/year)

29.11.2005

Applicant's or agent's file reference  
2003M091

## IMPORTANT NOTIFICATION

International application No.  
PCT/EP2004/009357International filing date (day/month/year)  
20.08.2004Priority date (day/month/year)  
29.08.2003Applicant  
EXXONMOBIL CHEMICAL PATENTS INC. et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

UPDATED

01 DEC 2005

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/009357

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C69/80 C07C67/08 C07C67/48 H01B3/44

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C H01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 880 310 A (AGEISHI ET AL) 9 March 1999 (1999-03-09) cited in the application	1-6, 29-35
Y	column 2, lines 40-50; column 2, line 60 - column 3, line 4; column 3, lines 39-45; column 4, line 37 - column 5, line 54; Examples; Tables 1, 2 and 3; claims	7-28
X	GB 1 096 917 A (IMPERIAL CHEMICAL INDUSTRIES LIMITED) 29 December 1967 (1967-12-29)	1-6, 29-35
Y	page 1, lines 64-66; Examples I to IV; claims	7-28
	----- -/-	

☒ Further documents are listed in the continuation of box C☒ Patent family members are listed in annex

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*A\* document member of the same patent family

Date of the actual completion of the international search

10 February 2005

Date of mailing of the international search report

17/02/2005

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009357

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5880310	A	09-03-1999	JP 10316623 A	02-12-1998
			JP 10316624 A	02-12-1998
			JP 11012226 A	19-01-1999
GB 1096917	A	29-12-1967	BE 684831 A	30-01-1967
			DE 1270029 B	12-06-1968
			FR 1489949 A	28-07-1967
			SE 309774 B	08-04-1969
US 5798319	A	25-08-1998	AU 720560 B2	01-06-2000
			AU 2242797 A	11-08-1997
			BR 9706996 A	20-07-1999
			CA 2242389 A1	24-07-1997
			CN 1211236 A ,C	17-03-1999
			EA 1335 B1	26-02-2001
			EP 0880495 A1	02-12-1998
			JP 2000516970 T	19-12-2000
			NO 983257 A	15-07-1998
			WO 9726238 A1	24-07-1997
US 4284793	A	18-08-1981	JP 1368046 C	11-03-1987
			JP 54076517 A	19-06-1979
			JP 60054945 B	03-12-1985
US 6437170	B1	20-08-2002	DE 19918051 A1	26-10-2000
			DE 19924339 A1	30-11-2000
			AT 261929 T	15-04-2004
			AU 778207 B2	25-11-2004
			AU 1387200 A	02-11-2000
			BR 9917230 A	08-01-2002
			CA 2367358 A1	26-10-2000
			CN 1350515 T	22-05-2002
			DE 59908919 D1	22-04-2004
			DK 1171413 T3	19-07-2004
			WO 0063151 A1	26-10-2000
			EP 1171413 A1	16-01-2002
			ES 2217891 T3	01-11-2004
			JP 2002542217 T	10-12-2002
JP 2001205866	A	31-07-2001	NONE	

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